

# WeeklyReport\_2018-11-19\_11-25\_E

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## Week Overview

- this week is the first week of winter semester. this semester I have more lessons than the previous one including the difficult lessons such as machine learning, VR, CG
- $3 + 9 + 9 + 3 + 5 + 2 + 6 = 41$  hours

## Project: RSATree

- Solved the problem under the difference function. The main reason is the modification of the pointer
- The save function has been written so that it can be used multiple times for the processed data structure.
- Let xiaohan try to modify the reading of the data structure into a json form, and continue to discuss next week.
- Now progressive still has a bug under the save function, which cannot be solved temporarily.
- The main task of the next week will be to fix this bug, then integrate the whole project with Mei.
- There are two main problems now, one is the compression of the SAT space, and there is no good solution for the time being. One is the compression of the tree structure, the lsh effect is not good, but the learned index is too much trouble.

## Other

- attend contest in codeforces and nowcoder
- learn course in mlcourse.ai (Assignment 6)

Due to recent busy school, I can only give up temporarily

- This week and Zhu talked, the Dimensionality Reduction of the paper may submit for IJCAI in February
- next week I must read a paper. I haven't read a paper for almost 2,3 weeks..

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## Short-term perspective

Work	deadline	Tip
fix the bug in progressive	Tue	RSATree
Integrate with Mei	Thu	RSATree
research on learned index	Fri	RSATree

## Long-term perspective

Work	deadline	Tip or Progress
RSATree Project	18.11.01	
GraphLayout	18.12.31	understand the visualization part
Dimensionality Reduction	19.02.01	more test